

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Reclamation District No. 2031 Elliot**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2031 Elliot

Waterway			Bank	Unit Miles
Unit No. 01 Stanislaus River			Left	7.15
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/08/2014 - 05/08/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By	Bob Buckmaster			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2031_01_s _ 2013_5				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2031_01_s _ 2013_6				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2031_01_s _ 2013_12				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	963
LM End	0.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.710001 °	37.709951 °
				-121.155391 °	-121.156539 °
DWR ID	DWR_RD2031_01_s _ 2012_963				
Action/Comments					
Fence					
Inspector Comments: Wooden and steel livestock fence and debris limit access to slope.					

Photo 1 of 1 : mkhashch_s_20140428_00422.jpg



Fall 2009 photo looking upstream at beginning of unit 1. Water side to the left.

LM Start	0.04	Rating **	U	Issue No.	122
LM End	0.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.710016 °	37.710016 °
				-121.155803 °	-121.155803 °
DWR ID	DWR_RD2031_01_s _ 2014_122				
Action/Comments					
Debris					

Photo 1 of 1 : mkhashch_s_20140512_01004.jpg



View of the pipe of debris on the waterside levee slope.

LM Start	0.04	Rating **	M	Issue No.	123
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.710008 °	37.710008 °
				-121.156195 °	-121.156195 °
DWR ID	DWR_RD2031_01_s _ 2014_123				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mkhashch_s_20140512_01005.jpg



View of the tall vegetation on the landside levee slope.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.06	Rating **	M	Issue No.	50
LM End	0.06	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.709950 °	37.709950 °
				-121.156540 °	-121.156540 °
DWR ID	DWR_RD2031_01_f_2013_50				
Action/Comments					
Fence					
Inspector Comments: Unpermitted gates at waterside levee hinge.					

Photo 1 of 1 : mkhashch_s_20140428_00420.jpg



View of the gate at the waterside levee hinge.

LM Start	0.08	Rating **	M	Issue No.	124
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.709756 °	37.709756 °
				-121.156598 °	-121.156598 °
DWR ID	DWR_RD2031_01_s_2014_124				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.15	Rating **	A/W	Issue No.	30
LM End	0.15	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.708780 °	37.708780 °
				-121.156830 °	-121.156830 °
DWR ID	DWR_RD2031_01_s_2012_30				
Action/Comments					
Pipe					

Photo 1 of 1 : mkhashch_s_20140428_00408.jpg



View of the pipe in landward slope of levee facing downstream.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.34	Rating **	U	Issue No.	7
LM End	0.52	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.706148 °	37.704030 °
				-121.157975 °	-121.159653 °
DWR ID	DWR_RD2031_01_s _ 2012_7				
Action/Comments					
Fence					
Inspector Comments: Fence appears to be completed without CVFPB approval.					

Photo 1 of 3 : mkhashch_s_20140428_00393.jpg



05/10/2011 Fence on waterside prevents access to waterside slope.

LM Start	0.34	Rating **	U	Issue No.	7 (cont)
LM End	0.52	Issue Type +	En	Location *	WS

Photo 2 of 3 : mkhashch_s_20140428_00394.jpg



View of fence on waterside slope facing downstream.

LM Start	0.34	Rating **	U	Issue No.	7 (cont)
LM End	0.52	Issue Type +	En	Location *	WS

Photo 3 of 3 : mkhashch_s_20140428_00395.jpg



View of fence obstructing access to waterside slope. Facing upstream.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.35	Rating **	C	Issue No.	10
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.705994 °	37.705994 °
				-121.157974 °	-121.157974 °
DWR ID	DWR_RD2031_01_f_2012_10				
Action/Comments					
Garbage					

No Photos

LM Start	0.45	Rating **	U	Issue No.	14
LM End	0.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.704927 °	37.703788 °
				-121.158860 °	-121.159923 °
DWR ID	DWR_RD2031_01_f_2012_14				
Action/Comments					
Fence					
Inspector Comments: It appears the fence was completed without CVFPB approval.					

Photo 1 of 2 : mkhashch_s_20140428_00401.jpg



View of fence on landside levee shoulder facing downstream.

LM Start	0.45	Rating **	U	Issue No.	14 (cont)
LM End	0.52	Issue Type +	En	Location *	LS

Photo 2 of 2 : mkhashch_s_20140428_00402.jpg



View of fence on landside levee shoulder obstructing access to landside slope. Facing upstream.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.46	Rating **	U	Issue No.	32
LM End	0.46	Issue Type +	En	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.704772 °	37.704772 °
				-121.158990 °	-121.158990 °
DWR ID	DWR_RD2031_01_s _ 2013_32				
Action/Comments					
Inspector Comments: Canal outlet has no flap gate on waterward side.					

Photo 1 of 2 : mkhashch_s_20140428_00409.jpg



View of canal outlet on waterward slope facing downstream. 05/02/2012

LM Start	0.46	Rating **	U	Issue No.	32 (cont)
LM End	0.46	Issue Type +	En	Location *	WS

Photo 2 of 2 : mkhashch_s_20140428_00410.jpg



View of missing flap gate. Facing upstream.

LM Start	0.47	Rating **	M	Issue No.	1
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.704740 °	37.704740 °
				-121.159140 °	-121.159140 °
DWR ID	DWR_RD2031_01_s _ 2014_1				
Action/Comments					
Inspector Comments: 09/10/2013: No significant changes observed.					

Photo 1 of 1 : mkhashch_s_20140428_00387.jpg



Looking downstream of the site. The irrigation outlet is operating. Debris is visible at the outlet.

*** Location**

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WS : Water Side
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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.47	Rating **	M	Issue No.	125
LM End	0.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.704537 °	37.704537 °
				-121.159041 °	-121.159041 °
DWR ID	DWR_RD2031_01_s _ 2014_125				
Action/Comments					
Pipe					
Inspector Comments: PVC Standpipe at landside levee toe.					

Photo 1 of 1 : mkhashch_s_20140512_01006.jpg



View of the PVC standpipe at the landside levee toe.

LM Start	0.52	Rating **	M	Issue No.	2
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.704050 °	37.704050 °
				-121.159578 °	-121.159578 °
DWR ID	DWR_RD2031_01_s _ 2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : mkhashch_s_20140428_00388.jpg



10/26/2011 Updated photo of waterside vegetation.

LM Start	0.52	Rating **	M	Issue No.	2 (cont)
LM End	0.52	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : mkhashch_s_20140428_00389.jpg



View of vegetation on waterside slope. Facing upstream.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.55	Rating **	U	Issue No.	969
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.703626 °	37.702648 °
				-121.159714 °	-121.160700 °
DWR ID	DWR_RD2031_01_s _ 2012_969				
Action/Comments					
Building					

Photo 1 of 1 : mkhashch_s_20140512_01007.jpg



View of the new coral at the landside levee slope and toe.

LM Start	0.57	Rating **	M	Issue No.	126
LM End	0.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.703394 °	37.703394 °
				-121.159713 °	-121.159713 °
DWR ID	DWR_RD2031_01_s _ 2014_126				
Action/Comments					
Material					
Inspector Comments: Levee built up with material from adjacent field.					
Unpermitted. The landowner has contacted CVFPB and started the					
permitting process.					

Photo 1 of 1 : mkhashch_s_20140512_01008.jpg



View of the material placed on the waterside levee slope to build up the levee and increase the levee crown.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.57	Rating **	A/W	Issue No.	16
LM End	0.57	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.703120 °	37.703120 °
				-121.159798 °	-121.159798 °
DWR ID	DWR_RD2031_01_f_2012_16				
Action/Comments					
Pipe					
Inspector Comments: It appears that the pipe is in good condition and slide gate is operational.					

Photo 1 of 2 : mkhashch_s_20140428_00403.jpg



View of slide gate and access ladder. Gate appears to be in good condition.

LM Start	0.57	Rating **	A/W	Issue No.	16 (cont)
LM End	0.57	Issue Type +	En	Location *	WS

Photo 2 of 2 : mkhashch_s_20140428_00404.jpg



View of the pipe gate valve location.

LM Start	0.64	Rating **	M	Issue No.	4
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.702814 °	37.701875 °
				-121.160562 °	-121.161670 °
DWR ID	DWR_RD2031_01_s_2012_4				
Action/Comments					
Fence					

Photo 1 of 1 : mkhashch_s_20140428_00392.jpg



View of the fence at the landside levee toe.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.65	Rating **	M	Issue No.	35
LM End	0.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.702643 °	37.702643 °
				-121.160867 °	-121.160867 °
DWR ID	DWR_RD2031_01_s _ 2012_35				
Action/Comments					
Debris					
Inspector Comments: Tractor wheels on slope of landside levee.					

Photo 1 of 1 : mkhashch_s_20140428_00411.jpg



View of tractor wheels on landward slope. 05/02/2012

LM Start	0.71	Rating **	U	Issue No.	127
LM End	0.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.702051 °	37.702051 °
				-121.161502 °	-121.161502 °
DWR ID	DWR_RD2031_01_s _ 2014_127				
Action/Comments					
Material Inspector Comments: Remove concrete stockpile from the levee toe easement.					

Photo 1 of 1 : mkhashch_s_20140512_01009.jpg



View of the concrete debris stockpiled at the landside levee toe.

LM Start	0.72	Rating **	M	Issue No.	972
LM End	0.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.701906 °	37.701370 °
				-121.161661 °	-121.161986 °
DWR ID	DWR_RD2031_01_s _ 2012_972				
Action/Comments					
Ditch					

Photo 1 of 1 : mkhashch_s_20140428_00424.jpg



View of the ditch on landside levee toe, facing downstream.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.72	Rating **	M	Issue No.	108
LM End	0.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.701912 °	37.701912 °
				-121.161642 °	-121.161642 °
DWR ID	DWR_RD2031_01_s_2014_108				
Action/Comments					
Inspector Comments: FS_ID:20046					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Alfalfa valve on the WS toe is damaged.					
FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe					
through the levee 5.0-feet below the crown. Flashboard slots in					
concrete headwall on the landward side. Distribution box with alfalfa					
valve on the waterward side. Installed by USACE, 1966. Replaced a					
30-inch pipe at same location.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2156.jpg



Concrete channel on LS shoulder.

LM Start	0.75	Rating **	M	Issue No.	109
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.701552 °	37.701552 °
				-121.161883 °	-121.161883 °
DWR ID	DWR_RD2031_01_s_2014_109				
Action/Comments					
Inspector Comments: FS_ID:20047					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: This pipe appears abandoned and if so, should be done so appropriately.					
FIELD_STRUCT_DESC: 15-inch corrugated metal pipe through levee 4.0 feet below crown. Flashboard slots on the landward side. Installed by USACE 1966. Originally included in the 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2158.jpg



Hole in pipe at WS slope.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.78	Rating **	M	Issue No.	36
LM End	0.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.701177 °	37.701177 °
				-121.162055 °	-121.162055 °
DWR ID	DWR_RD2031_01_f_2012_36				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : mkhashch_s_20140428_00412.jpg



View of rodent burrows on landside slope.

LM Start	0.81	Rating **	M	Issue No.	110
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.700853 °	37.700853 °
				-121.162349 °	-121.162349 °
DWR ID	DWR_RD2031_01_s_2014_110				
Action/Comments					
Inspector Comments: FS_ID:20049					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned as WS slope is covered with soil. If abadoned, it should be done so properly.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 2.0-feet below the crown. Concrete headwall on both sides of levee crown.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2163.jpg



Open pipe and headwall on LS slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.81	Rating **	M	Issue No.	20
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.700799 °	37.700799 °
				-121.162418 °	-121.162418 °
DWR ID	DWR_RD2031_01_s _ 2013_20				
Action/Comments					
Pipe					
Inspector Comments: PVC pipe present and obstructing drain pipe.					

Photo 1 of 2 : mkhashch_s_20140428_00406.jpg



05/10/2011 PVC pipe pieces are obstructing opening to drain pipe.

Photo 2 of 2 : mkhashch_s_20140428_00407.jpg



10/26/2011 Updated photo of PVC pipe pieces obstructing drain pipe, issue remains from Spring 2011 inspection.

LM Start	0.93	Rating **	M	Issue No.	51
LM End	0.93	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.699727 °	37.699727 °
				-121.163919 °	-121.163919 °
DWR ID	DWR_RD2031_01_f _ 2013_51				
Action/Comments					
Fence					

Photo 1 of 1 : mkhashch_s_20140428_00421.jpg



View of the gate across levee crown.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.15	Rating **	M	Issue No.	128
LM End	1.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698873 °	37.698873 °
				-121.167785 °	-121.167785 °
DWR ID	DWR_RD2031_01_s _ 2014_128				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : mkhashch_s_20140512_01010.jpg



View of the rodent hole on the waterside levee slope.

LM Start	1.27	Rating **	A/W	Issue No.	11
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.699536 °	37.699536 °
				-121.169924 °	-121.169924 °
DWR ID	DWR_RD2031_01_s _ 2012_11				
Action/Comments					
Pipe Inspector Comments: Irrigation intake pipe.					

Photo 1 of 1 : mkhashch_s_20140428_00399.jpg



Irrigation intake pump and pipe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.28	Rating **	M	Issue No.	111
LM End	1.28	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699480 °	37.699480 °
				-121.169850 °	-121.169850 °
DWR ID	DWR_RD2031_01_s_2014_111				
Action/Comments					
Inspector Comments: FS_ID:20085					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe corroded through at distribution box. Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 1 of 2: 12-inch steel pipe through the levee 3.3-feet below the crown. Pump missing from pile structure on the riverbank. Concrete distribution box on the landward side. Installed by USACE, 1966. Also included in 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2166.jpg



Concrete distribution box on LS shoulder.

LM Start	1.56	Rating **	A/W	Issue No.	129
LM End	1.56	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.698913 °	37.698913 °
				-121.174155 °	-121.174155 °
DWR ID	DWR_RD2031_01_s_2014_129				
Action/Comments					
Pipe					
Inspector Comments: Gravity drain irrigaiton pipe.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.58	Rating **	M	Issue No.	3
LM End	1.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.698776 °	37.698776 °
				-121.174327 °	-121.174327 °
DWR ID	DWR_RD2031_01_s _ 2012_3				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Erosion is active around the irrigation standpipe.					

Photo 1 of 2 : mkhashch_s_20140428_00390.jpg



10/26/2011 Active erosion into the levee prism around irrigation standpipe.

LM Start	1.58	Rating **	M	Issue No.	3 (cont)
LM End	1.58	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : mkhashch_s_20140428_00391.jpg



View of the erosion site on landside slope, facing upstream.

LM Start	1.60	Rating **	M	Issue No.	8
LM End	1.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.698610 °	37.698610 °
				-121.174598 °	-121.174598 °
DWR ID	DWR_RD2031_01_s _ 2012_8				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : mkhashch_s_20140428_00396.jpg



10/26/2011 Active erosion shown around irrigation inlet.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.63	Rating **	M	Issue No.	52
LM End	1.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.698334 °	37.698334 °
				-121.175176 °	-121.175176 °
DWR ID	DWR_RD2031_01_f_2013_52				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.65	Rating **	M	Issue No.	9
LM End	1.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.698208 °	37.698208 °
				-121.175400 °	-121.175400 °
DWR ID	DWR_RD2031_01_s_2012_9				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Active erosion around irrigation inlet in levee prism.					

Photo 1 of 1 : mkhashch_s_20140428_00397.jpg



10/26/2011 Active erosion into levee prism around irrigation inlet.

LM Start	1.75	Rating **	M	Issue No.	53
LM End	1.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.697513 °	37.697513 °
				-121.176916 °	-121.176916 °
DWR ID	DWR_RD2031_01_f_2013_53				
Action/Comments					
Prunings					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.77	Rating **	M	Issue No.	54
LM End	1.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.697236 °	37.697236 °
				-121.177247 °	-121.177247 °
DWR ID	DWR_RD2031_01_f_2013_54				
Action/Comments					
Prunings					

No Photos

LM Start	1.80	Rating **	M	Issue No.	112
LM End	1.80	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696943 °	37.696943 °
				-121.177470 °	-121.177470 °
DWR ID	DWR_RD2031_01_s_2014_112				
Action/Comments					
Inspector Comments: FS_ID:20092					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Silt buildup at inlet and outlet.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch corrugated metal pipe through the levee 9.5-feet below the crown. Concrete "U"-shaped headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966. Also included in the 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2174.jpg



Concrete U-shaped headwall on WS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.88	Rating **	M	Issue No.	113
LM End	1.88	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695737 °	37.695737 °
				-121.177533 °	-121.177533 °
DWR ID	DWR_RD2031_01_s_2014_113				
Action/Comments					
Inspector Comments: FS_ID:20109					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: If abandoned it should be done so properly if not, the pipe should be cleared of soil blockage.					
FIELD_STRUCT_DESC: *Abandoned* 24-inch pipe through levee 6.8 feet below crown. Concrete headwalls on both ends. Flap gate on the waterward end. Installed by USACE, 1966.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2187.jpg



Flapgate on WS toe.

LM Start	1.88	Rating **	U	Issue No.	37
LM End	1.88	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.695867 °	37.695867 °
				-121.177638 °	-121.177638 °
DWR ID	DWR_RD2031_01_s_2012_37				
Action/Comments					
Crops					
Inspector Comments: Several bales of hay at toe of levee. LMA notified the landowner and still no compliance.					

Photo 1 of 1 : mkhashch_s_20140428_00413.jpg



View of the hay bails at the landside levee toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.93	Rating **	M	Issue No.	13
LM End	2.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.695078 °	37.688766 °
				-121.177504 °	-121.179538 °
DWR ID	DWR_RD2031_01_s_2013_13				
Action/Comments					
Agricultural tilling					

Photo 1 of 1 : mkhashch_s_20140428_00400.jpg



View of agricultural tilling at the landside levee toe.

LM Start	2.02	Rating **	M	Issue No.	38
LM End	2.09	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.693720 °	37.692782 °
				-121.177527 °	-121.177642 °
DWR ID	DWR_RD2031_01_s_2012_38				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	2.17	Rating **	M	Issue No.	39
LM End	2.17	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.691687 °	37.691687 °
				-121.178285 °	-121.178285 °
DWR ID	DWR_RD2031_01_f_2012_39				
Action/Comments					
Crops					
Inspector Comments: Hay bale on waterside levee slope.					

Photo 1 of 1 : mkhashch_s_20140428_00414.jpg



View of hay bales at toe of levee on waterward side, facing downstream.
05/02/2012

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	2.41	Rating **	A/W	Issue No.	42
LM End	2.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.688623 °	37.688623 °
				-121.179767 °	-121.179767 °
DWR ID	DWR_RD2031_01_f_2012_42				
Action/Comments					
Pipe					
Inspector Comments: Flap gate is closed and appears to be operational.					

Photo 1 of 3 : mkhashch_s_20140428_00415.jpg



View of the closed slide gate.

LM Start	2.41	Rating **	A/W	Issue No.	42 (cont)
LM End	2.41	Issue Type +	En	Location *	LS

Photo 2 of 3 : mkhashch_s_20140428_00416.jpg



View of the slide gate lever and well.

LM Start	2.41	Rating **	A/W	Issue No.	42 (cont)
LM End	2.41	Issue Type +	En	Location *	LS

Photo 3 of 3 : mkhashch_s_20140428_00417.jpg



View of closed flap gate on waterside.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	2.44	Rating **	U	Issue No.	43
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.688388 °	37.688388 °
				-121.180135 °	-121.180135 °
DWR ID	DWR_RD2031_01_f_2012_43				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and					

Photo 1 of 1 : mkhashch_s_20140428_00418.jpg



View of large animal burrow on landside slope with lots of material removed from the levee.

LM Start	2.47	Rating **	M	Issue No.	114
LM End	2.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.687949 °	37.687949 °
				-121.180305 °	-121.180305 °
DWR ID	DWR_RD2031_01_s_2014_114				
Action/Comments					
Inspector Comments: FS_ID:22834					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Flapgate partially blocked by soil on WS toe. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 24-inch CMP stormdrain pipe through the levee at unknown depth. Flapgate on WS toe. Pipe may originate at concrete distribution box on LS toe.					
FS Date: 9/11/2013					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	2.65	Rating **	M	Issue No.	45
LM End	2.65	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.687146 °	37.687146 °
				-121.183152 °	-121.183152 °
DWR ID	DWR_RD2031_01_f_2012_45				
Action/Comments					
Crops					
Inspector Comments: Hay bale on waterside levee slope.					

Photo 1 of 1 : mkhashch_s_20140428_00419.jpg



View of hay bales at toe of levee on waterward side, facing downstream.

LM Start	3.12	Rating **	M	Issue No.	115
LM End	3.12	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.688297 °	37.688297 °
				-121.190865 °	-121.190865 °
DWR ID	DWR_RD2031_01_s_2014_115				
Action/Comments					
Inspector Comments: FS_ID:20449					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears to be abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 14.0 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1968 O&M manual.					
FS Date: 9/11/2013					

Photo 1 of 1 : UCIP_2238.jpg



Slide gate in CMP riser on WS slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.20	Rating **	M	Issue No.	55
LM End	3.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.689368 °	37.690829 °
				-121.191680 °	-121.192511 °
DWR ID	DWR_RD2031_01_f_2013_55				
Action/Comments					
Agricultural tilling					
Inspector Comments: Landside levee toe has about 12 inch vertial cut.					

No Photos

LM Start	3.29	Rating **	A/W	Issue No.	17
LM End	3.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.690556 °	37.690556 °
				-121.192451 °	-121.192451 °
DWR ID	DWR_RD2031_01_s_2012_17				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake					

No Photos

LM Start	3.55	Rating **	A/W	Issue No.	24
LM End	3.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.690864 °	37.690864 °
				-121.195990 °	-121.195990 °
DWR ID	DWR_RD2031_01_s_2012_24				
Action/Comments					
Pipe					
Inspector Comments: Drain to channel					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

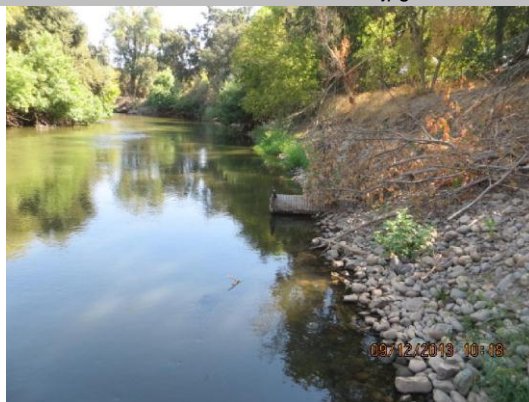
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.64	Rating **	A/W	Issue No.	28
LM End	3.64	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.690280 °	37.690280 °
				-121.197447 °	-121.197447 °
DWR ID	DWR_RD2031_01_s _ 2012_28				
Action/Comments					
Pipe					
Inspector Comments: Irrigation intake.					

No Photos

LM Start	3.70	Rating **	M	Issue No.	116
LM End	3.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689900 °	37.689900 °
				-121.198319 °	-121.198319 °
DWR ID	DWR_RD2031_01_s _ 2014_116				
Action/Comments					
Inspector Comments: FS_ID:23064					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Good candidate for video inspection.					
FIELD_STRUCT_DESC: 24-inch CMP drainpipe through levee 5.5 feet below crown. Flapgate visible at WS toe. Originally included in the 1968 O&M manual.					
FS Date: 9/12/2013					

Photo 1 of 1 : UCIP_3331.jpg



CMP pipe and flapgate visible at WS toe.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.72	Rating **	M	Issue No.	117
LM End	3.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689742 °	37.689742 °
				-121.198778 °	-121.198778 °
DWR ID	DWR_RD2031_01_s_2014_117				
Action/Comments					
Inspector Comments: FS_ID:22843					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this possible crossing.					
FIELD_STRUCT_DESC: 4-inch steel irrigation line through the levee at unknown depth. Pipe visible between larger irrigation pipes below slant pump on WS slope.					
FS Date: 9/12/2013					

Photo 1 of 1 : UCIP_3252.jpg



Pipe visible between larger irrigation pipes below slant pump on WS slope.

LM Start	3.72	Rating **	M	Issue No.	118
LM End	3.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689739 °	37.689739 °
				-121.198790 °	-121.198790 °
DWR ID	DWR_RD2031_01_s_2014_118				
Action/Comments					
Inspector Comments: FS_ID:20667					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Siphon breaker missing from LS shoulder. Fish screen and pipe end covered in debris that may cause damage to pipe.					
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation pipe through levee 3.9 feet below crown. Slant pump in pump house mounted on piles on the berm. Siphon breaker in corrugated metal pipe riser on the landward shoulder. Service pole on the landward slope. 5'X5' concrete distribution box on LS toe with flapgate. Originally included in the 1968 O&M manual.					
FS Date: 9/12/2013					

Photo 1 of 1 : UCIP_2262.jpg



Slant pump in pumphouse on WS berm.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.73	Rating **	M	Issue No.	119
LM End	3.73	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689757 °	37.689757 °
				-121.198804 °	-121.198804 °
DWR ID	DWR_RD2031_01_s _ 2014_119				
Action/Comments					
Inspector Comments: FS_ID:22845					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this possible crossing.					
FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation line through the levee at unknown depth. Submersible pump at WS slope.					
FS Date: 9/12/2013					

No Photos

LM Start	4.03	Rating **	A/W	Issue No.	31
LM End	4.03	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.690937 °	37.690937 °
				-121.203319 °	-121.203319 °
DWR ID	DWR_RD2031_01_s _ 2012_31				
Action/Comments					
Pipe					
Inspector Comments: Drainage outlet					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.09	Rating **	M	Issue No.	15
LM End	4.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.690320 °	37.686624 °
				-121.204078 °	-121.207816 °
DWR ID	DWR_RD2031_01_s_2014_15				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Wildlife preserve.					

Photo 1 of 1 : mkhashch_s_20140512_01011.jpg



View of the tall vegetation on the levee slopes and crown obstructing visibility and access.

LM Start	4.42	Rating **	A/W	Issue No.	46
LM End	4.42	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.686820 °	37.686820 °
				-121.207718 °	-121.207718 °
DWR ID	DWR_RD2031_01_f_2012_46				
Action/Comments					
Pipe					
Inspector Comments: PG&E Gas pipeline					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.44	Rating **	M	Issue No.	120
LM End	4.44	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.686500 °	37.686500 °
				-121.207900 °	-121.207900 °
DWR ID	DWR_RD2031_01_s _ 2014_120				
Action/Comments					
Inspector Comments: FS_ID:22846					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this possible crossing.					
FIELD_STRUCT_DESC: 4-inch galvanized iron irrigation line visible on					
WS shoulder. May go through the levee at unknown depth. Vent on					
WS shoulder.					
FS Date: 9/12/2013					

Photo 1 of 1 : UCIP_3258.jpg



Pipe and vent visible on WS shoulder.

LM Start	4.54	Rating **	M	Issue No.	41
LM End	4.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.685268 °	37.685268 °
				-121.208380 °	-121.208380 °
DWR ID	DWR_RD2031_01_s _ 2012_41				
Action/Comments					
Landscaping					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.60	Rating **	M	Issue No.	982
LM End	4.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.684474 °	37.682167 °
				-121.208447 °	-121.209098 °
DWR ID	DWR_RD2031_01_s _ 2012_982				
Action/Comments					
Landscaping					
Inspector Comments: Poplars and other landscaping at levee toe.					

No Photos

LM Start	5.02	Rating **	M	Issue No.	121
LM End	5.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.680103 °	37.680103 °
				-121.212016 °	-121.212016 °
DWR ID	DWR_RD2031_01_s _ 2014_121				
Action/Comments					
Inspector Comments: FS_ID:20688					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: CMP riser on WS slope is missing lid and may be a hazard.					
FIELD_STRUCT_DESC: 36-inch corrugated metal irrigation pipe through levee 11-feet below crown. Slide gate in 48-inch CMP riser on the waterward slope. 5'X5' Concrete distribution box 10 feet from the waterward toe. Underground irrigation system on the landside with concrete standpipes visible in field. Originally included in the 1968 O&M manual.					
FS Date: 9/12/2013					

Photo 1 of 1 : UCIP_2274.jpg



Slide gate in CMP riser on WS shoulder with concrete distribution box visible in background at WS toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Stanislaus River	Left	7.15	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	5.10	Rating **	A/W	Issue No.	47
LM End	5.10	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.679365 °	37.679365 °
				-121.213108 °	-121.213108 °
DWR ID	DWR_RD2031_01_s _ 2013_47				
Action/Comments					
Pipe					

No Photos

LM Start	5.94	Rating **	A/W	Issue No.	26
LM End	5.94	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.670330 °	37.670330 °
				-121.219236 °	-121.219236 °
DWR ID	DWR_RD2031_01_s _ 2012_26				
Action/Comments					
Pipe					
Inspector Comments: MID installation					

No Photos

LM Start	6.21	Rating **	M	Issue No.	19
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.668988 °	37.668302 °
				-121.223514 °	-121.227842 °
DWR ID	DWR_RD2031_01_s _ 2014_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Reclamation District No. 2031 Elliot

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	6.04
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/08/2014 - 05/08/2014			
DWR Inspector	Maksim Khashchuk			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.04	Rating **	M	Issue No.	54
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.661283 °	37.655304 °
				-121.233382 °	-121.233735 °
DWR ID	DWR_RD2031_02_s _ 2014_54				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : mkhashch_s_20140512_01012.jpg



View of the tall vegetation on the landside levee slope.

LM Start	0.22	Rating **	A/W	Issue No.	3
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.658843 °	37.658843 °
				-121.234271 °	-121.234271 °
DWR ID	DWR_RD2031_02_s _ 2012_3				
Action/Comments					
Pipe					

Photo 1 of 2 : mkhashch_s_20140428_00538.jpg



Drainage discharge pumps and housing on steep waterside slope.

LM Start	0.22	Rating **	A/W	Issue No.	3 (cont)
LM End	0.22	Issue Type +	En	Location *	LS

Photo 2 of 2 : mkhashch_s_20140428_00539.jpg



10/26/2011 Flap gates on landside.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

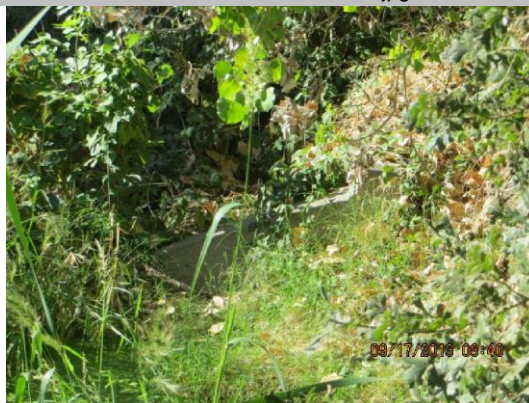
Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	0.24	Rating **	M	Issue No.	46
LM End	0.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.658595 °	37.658595 °
				-121.234410 °	-121.234410 °
DWR ID	DWR_RD2031_02_s _ 2014_46				
Action/Comments					
Inspector Comments: FS_ID:20708					

Photo 1 of 1 : UCIP_2277.jpg



Concrete headwall on LS toe at edge of pond.

LM Start	1.28	Rating **	M	Issue No.	8
LM End	1.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.649918 °	37.649918 °
				-121.221913 °	-121.221913 °
DWR ID	DWR_RD2031_02_s _ 2013_8				
Action/Comments					
Building					

Photo 1 of 1 : mkhashch_s_20140428_00541.jpg



View of the structure at the waterside levee toe.

LM Start	1.36	Rating **	U	Issue No.	4
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.648898 °	37.648898 °
				-121.221621 °	-121.221621 °
DWR ID	DWR_RD2031_02_s _ 2012_4				
Action/Comments					
Building					

Photo 1 of 1 : mkhashch_s_20140428_00540.jpg



Small structure on levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	1.42	Rating **	M	Issue No.	15
LM End	1.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.648080 °	37.648080 °
				-121.221031 °	-121.221031 °
DWR ID	DWR_RD2031_02_s _ 2013_15				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : mkhashch_s_20140428_00545.jpg



View of the tree limb obstructing visibility and access to the landside levee slope.

LM Start	1.45	Rating **	U	Issue No.	965
LM End	1.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.647708 °	37.647462 °
				-121.220873 °	-121.220857 °
DWR ID	DWR_RD2031_02_s _ 2012_965				
Action/Comments					
Landscaping Inspector Comments: Wild rose bush on landside slope.					

Photo 1 of 1 : mkhashch_s_20140428_00549.jpg



Wild rose on levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	2.75	Rating **	M	Issue No.	47
LM End	2.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.637760 °	37.637760 °
				-121.211743 °	-121.211743 °
DWR ID	DWR_RD2031_02_s_2014_47				
Action/Comments					
Inspector Comments: FS_ID:20713					
EP_NO: 11758					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe rusted through and failing at WS toe. Good indicator of internal condition of pipe. Good candidate for video inspection.					
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drain pipe through levee 17.0 feet below crown. 20-inch steel pipe and 1.25-inch galvanized conduit sleeved through pipe. Annular space has been pressure grouted. 24-inch pipe originally included in the 1968 O&M manual. Slide gate in 48-inch CMP riser on LS slope. 36-inch concrete standpipe at LS toe with pump on 48-inch steel standpipe. 20-inch and 1.5-inch pipes installed under Permit No. 11758, 1976.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_2282.jpg



Pump sitting atop a 48-inch steep pipe off LS toe. Discharges into concrete riser likely connected to stormdrain pipe.

LM Start	3.00	Rating **	M	Issue No.	966
LM End	3.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.637626 °	37.638301 °
				-121.207191 °	-121.196465 °
DWR ID	DWR_RD2031_02_s_2012_966				
Action/Comments					
Trim trees to at least five feet above ground level. Inspector Comments: Obstructive trees and vegetation along highway are on the landside slope of the levee.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

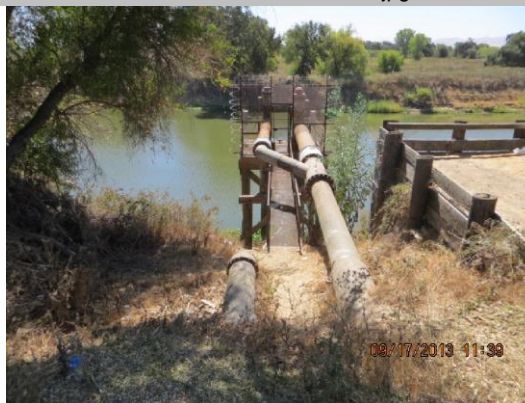
Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.24	Rating **	M	Issue No.	48
LM End	3.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.638185 °	37.638185 °
				-121.202906 °	-121.202906 °
DWR ID	DWR_RD2031_02_s _ 2014_48				
Action/Comments					
Inspector Comments: FS_ID:20719					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Annular space between 20-inch and 24-inch pipe not grouted.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 8.0 feet below crown. Pump on pile structure in river. 20-inch steel pipe sleeved through 24-inch. 4'X11' concrete distribution box on LS toe. 2-inch electrical conduit at same location. Originally included in the 1968 O&M manual.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_2290.jpg



Pump on pier at WS.

LM Start	3.24	Rating **	M	Issue No.	49
LM End	3.24	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.638186 °	37.638186 °
				-121.202895 °	-121.202895 °
DWR ID	DWR_RD2031_02_s _ 2014_49				
Action/Comments					
Inspector Comments: FS_ID:20718					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 16-inch steel pipe through levee 7.5 feet below crown. Pump on pile structure in river. 4'X11' concrete distribution box on LS slope. 6'X6' concrete distribution box off LS toe. Originally included in the 1968 O&M manual.					
FS Date: 9/17/2013					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Reclamation District No. 2031 Elliot

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	3.88	Rating **	M	Issue No.	50
LM End	3.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.637924 °	37.637924 °
				-121.191600 °	-121.191600 °
DWR ID	DWR_RD2031_02_s_2014_50				
Action/Comments					
Inspector Comments: FS_ID:20726					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Minor debris blocking closure of flapgate on WS toe.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee					
11.0 feet below crown. Concrete "U" headwall on each end. Flap gate					
on the waterward end. Originally included in the 1968 O&M manual.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_2293.jpg



Concrete headwall on LS toe.

LM Start	4.24	Rating **	U	Issue No.	9
LM End	4.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.632761 °	37.632157 °
				-121.190684 °	-121.190242 °
DWR ID	DWR_RD2031_02_s_2012_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Heavily rodent infested area. Some burrows appear to penetrate the levee from the waterside to the landside.					

Photo 1 of 2 : mkhashch_s_20140512_01013.jpg



View of the large rodent hole on the landside levee slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

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Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.24	Rating **	U	Issue No.	9 (cont)	
LM End	4.29	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.632761 °	37.632157 °	
				-121.190684 °	-121.190242 °	
DWR ID	DWR_RD2031_02_s _ 2012_9					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Heavily rodent infested area. Some burrows appear to penetrate the levee from the waterside to the landside.						

Photo 2 of 2 : mkhashch_s_20140512_01014.jpg



View of the large rodent hole on the waterside levee slope.

LM Start	4.25	Rating **	M	Issue No.	23
LM End	4.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.632520 °	37.632520 °
				-121.190605 °	-121.190605 °
DWR ID	DWR_RD2031_02_s _ 2013_23				
Action/Comments					
Prunings					
Inspector Comments: Prunings and other debris in the floodway.					

Photo 1 of 1 : mkhashch_s_20140428_00548.jpg



View of the debris pile in the floodway.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.33	Rating **	A/W	Issue No.	1
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.631716 °	37.631716 °
				-121.189370 °	-121.189370 °
DWR ID	DWR_RD2031_02_s _ 2014_1				
Action/Comments					

Inspector Comments: 09/10/2013: The site has been visited. The erosion has expanded toward levee crest at two pocket locations. 07/18/2012: No significant change observed on the site. 08/18/2011: No significant changes observed on the site. Dead trees and animal activities are visible. The closest point of the erosion site to the levee toe is about 100 ft. 10/19/2010: There is active scouring occurring on the bank due to the nature of the flow and the lack of armor protection. There is also a fallen log immediately downstream of where the erosion has occurred and is protruding outward, possibly creating an eddy and scouring the bank. With the remaining 100-foot wide berm, the levee prism is not yet affected. However, the bank will continue to degrade, and eventually intrude into the levee prism if no protection is put in place. Erosion site is recommended for annual assessment and monitoring during flood events. [2013 Site ID:RD2031U02RM78.7]

Photo 1 of 1 : mkhashch_s_20140428_00536.jpg



Looking downstream. The erosion has progressed toward levee.

LM Start	4.58	Rating **	A/W	Issue No.	22
LM End	4.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.630855 °	37.630855 °
				-121.185442 °	-121.185442 °
DWR ID	DWR_RD2031_02_f _ 2012_22				
Action/Comments					

Pipe
Inspector Comments: 36" discharge pipe through the levee with flap gate closed.

Photo 1 of 1 : mkhashch_s_20140428_00547.jpg



View of the closed flap gate on waterside.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	4.75	Rating **	M	Issue No.	51
LM End	4.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.630815 °	37.630815 °
				-121.182416 °	-121.182416 °
DWR ID	DWR_RD2031_02_s _ 2014_51				
Action/Comments					
Inspector Comments: FS_ID:22872					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 16-inch PVC irrigation pipe through the levee					
6-feet below the crown. Headwall on LS toe.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_3261.jpg



Concrete headwall at outlet on LS toe.

LM Start	5.08	Rating **	M	Issue No.	12
LM End	5.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.630843 °	37.630843 °
				-121.176329 °	-121.176329 °
DWR ID	DWR_RD2031_02_s _ 2014_12				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : mkhashch_s_20140512_01015.jpg



View of the slope instability at the waterside levee hinge.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	5.42	Rating **	M	Issue No.	24
LM End	5.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.630808 °	37.630795 °
				-121.170164 °	-121.165395 °
DWR ID	DWR_RD2031_02_s _ 2013_24				
Action/Comments					
Ditch					

No Photos

LM Start	5.52	Rating **	U	Issue No.	18
LM End	5.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.630802 °	37.630802 °
				-121.168439 °	-121.168439 °
DWR ID	DWR_RD2031_02_s _ 2014_18				
Action/Comments					

Photo 1 of 1 : mkhashch_s_20140512_01016.jpg



View of the seepage at the landside levee toe.

LM Start	5.64	Rating **	U	Issue No.	10
LM End	5.64	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.630773 °	37.630773 °
				-121.166342 °	-121.166342 °
DWR ID	DWR_RD2031_02_f _ 2013_10				
Action/Comments					

Photo 1 of 1 : mkhashch_s_20140428_00543.jpg



View of the seepage area at the landside levee toe.

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Unit No. 02 San Joaquin River	Right	6.04	05/08/2014 05/08/2014	Maksim Khashchuk

LM Start	5.69	Rating **	M	Issue No.	52
LM End	5.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.630779 °	37.630779 °
				-121.165402 °	-121.165402 °
DWR ID	DWR_RD2031_02_s_2014_52				
Action/Comments					
Inspector Comments: FS_ID:22873					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 24-inch PVC irrigation pipeline through levee					
5.0-feet below crown. Slide gate at waterward shoulder. 6-inch steel					
riser on WS shoulder.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_3262.jpg



Slide gate and vent at concrete headwall on canal at WS shoulder.

LM Start	5.99	Rating **	M	Issue No.	53
LM End	5.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.630760 °	37.630760 °
				-121.159951 °	-121.159951 °
DWR ID	DWR_RD2031_02_s_2014_53				
Action/Comments					
Inspector Comments: FS_ID:20745					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Gasline may not have enough cover.					
FIELD_STRUCT_DESC: 8-inch gas line through the levee 1.0-foot					
below the crown. Originally included in the 1968 O&M manual. Sign on					
LS toe, pipe visible at canal.					
FS Date: 9/17/2013					

Photo 1 of 1 : UCIP_2321.jpg



Gasline visible at crossing.

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